

## INTERNATIONAL SEARCH REPORT

PCT/EP2004/052471

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 E21B17/02 H01R13/52 H01R13/523

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01R E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 295 409 A (SCIENT DRILLING INT) 29 May 1996 (1996-05-29)	7
Y	page 7, line 27 - page 8, line 27	1,2
A	page 12, line 29 - page 13, line 12 page 13, line 24 - page 15, line 14; figures 2-4a,8,9	3-6
Y	US 5 132 624 A (KITSON DAVID) 21 July 1992 (1992-07-21) column 2, line 62 - column 3, line 4 column 4, line 66 - column 5, line 3 column 5, line 16 - column 5, line 43 column 6, line 26 - column 6, line 44; figures	1,2



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*8\* document member of the same patent family

Date of the actual completion of the international search

13 January 2005

Date of mailing of the international search report

25/01/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/082590 A (DIAMOULD LTD) 17 October 2002 (2002-10-17) cited in the application page 4, line 18 - page 5, line 7 page 5, line 26 - page 6, line 4; figure 1 -----	1,3-7
A	WO 01/02699 A (SHELL CANADA LTD ;SHELL INT RESEARCH (NL)) 11 January 2001 (2001-01-11) cited in the application abstract -----	1,5-7
A	FR 2 785 728 A (WHITAKER CORP) 12 May 2000 (2000-05-12) page 11, line 1 - page 11, line 11 page 11, line 30 - page 12, line 3; figures 1,3,4,14,16-19 -----	1,2

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